

Application # 09/610,632  
 Amendment Dated June 30, 2004  
 Reply to Office Action of March 30, 2004

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**I. AMENDMENT TO THE CLAIMS**

4. This listing of claims will replace all prior versions, and listings, of claims

in the application:

**II. LISTING OF CLAIMS**

1-70. (canceled)

71. (original): A graphical user interface for building Boolean queries and viewing search results comprising:

- a) a workspace capable of enclosing:
  - i. search cells stacked in a first column, each search cell having a search by type icon, a text field and a hit count;
  - ii. one or more pins graphically displayed between each pair of adjacent search cells, each pin having a shaft and a pinhead; and
  - iii. one or more combination brackets arranged in a Boolean hierarchy within a second column adjacent to the first column, each combination bracket displayed adjacent to at least two search cells and having a combine icon and a combination bracket flag; and
- b) means for inserting search cells into the workspace;
- c) means for graphically sliding pins horizontally within the second column:
  - i. to generate and manipulate combination brackets; and
  - ii. to alter Boolean hierarchy of the combination brackets;
- d) means for moving selected search cells;
- e) means for deleting selected search cells from the workspace; and
- f) means for viewing search results corresponding to a Boolean query.

72. (original): The graphical user interface for building Boolean queries and viewing search results as in claim 71, wherein:

- a) an applet running on a client controls:
  - i. insertion, selection, movement, and deletion of the search cells; and
  - ii. the generation and manipulation of the combination brackets; and
- b) a server:
  - i. executes queries received over an internet connection from the client; and
  - ii. delivers search results back to the client over the internet.

73. (original): The graphical user interface for building Boolean queries and viewing search results as in claim 71 wherein the client is local and the server is remote.

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74. (original): The graphical user interface for building Boolean queries and viewing search results as in claim 71, wherein the combine icon is selected from a group including a logical AND icon, a logical OR icon and a logical MINUS icon.
75. (original): The graphical user interface for building Boolean queries and viewing search results as in claim 71, wherein content of the text field is capable of being selected using a category walker.
76. (original): The graphical user interface for building Boolean queries and viewing search results as in claim 71, wherein information displayed by the means for viewing includes a title and a location for each search result.
77. (original): The graphical user interface for building Boolean queries and viewing search results as in claim 76, wherein the location is a URL address.
78. (original): The graphical user interface for building Boolean queries and viewing search results as in claim 71, wherein search parameters displayed in the workspace are treated as a session.
79. (original): The graphical user interface for building Boolean queries and viewing search results as in claim 78, wherein a user has ability to save, open and close the session.
80. (original): The graphical user interface for building Boolean queries and viewing search results as in claim 71, wherein the search results are treated as a collection.
81. (original): The graphical user interface for building Boolean queries and viewing search results as in claim 80, wherein a user has ability to save, open and close the collection.
82. (original): The graphical user interface for building Boolean queries and viewing search results as in claim 71, wherein graphical representation of the combination bracket is selected from a group including a rectangular bracket, a square bracket and a curly brace.
83. (original): A method for building Boolean queries and viewing search results using a graphical user interface comprising the steps of:
  - a) opening a window including a workspace and a toolbar;
  - b) stacking two or more search cells into a first column of the workspace:
    - i. each search cell having a search by type icon, a text field and a hit count; and
    - ii. each pair of adjacent search cells having a pin graphically displayed there between, each pin having a shaft and a pinhead; and
  - c) entering text in the text fields of the search cells;

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- d) graphically sliding pins horizontally within a second column adjacent to the first column:
    - i. to generate and manipulate a plurality of combination brackets, each combination bracket adjacent to at least two search cells and each combination bracket having a combine icon; and
    - ii. to alter a Boolean hierarchy of the combination brackets;
  - e) arranging placement of search cells and combination brackets to generate the Boolean query;
  - f) executing the Boolean query represented within the workspace; and
  - g) viewing search results in the workspace.
84. (original): The method for building Boolean queries and viewing search results using a graphical user interface as in claim 83, wherein the search by type icon is selected from a group including a category icon, a keyword icon, and a media type icon.
85. (original): The method for building Boolean queries and viewing search results using a graphical user interface as in claim 83, wherein:
- a) an applet running on a client controls:
    - i. insertion, selection, movement, and deletion of the search cells; and
    - ii. the generation and manipulation of the combination brackets; and
  - b) a server:
    - i. executes queries received over an internet connection from the client; and
    - ii. delivers search results back to the client over the internet.
86. (original): The method for building Boolean queries and viewing search results using a graphical user interface as in claim 83, wherein the combine icon is selected from a group including a logical AND icon, a logical OR icon and a logical MINUS icon.
87. (original): The method for building Boolean queries and viewing search results using a graphical user interface as in claim 83, wherein content of the text field is capable of being selected using a category walker.
88. (original): The method for building Boolean queries and viewing search results using a graphical user interface as in claim 83, wherein information displayed by the view of each search result includes a title and a location.
89. (original): The method for building Boolean queries and viewing search results using a graphical user interface as in claim 88, wherein the location is a URL address.
90. (original): The method for building Boolean queries and viewing search results using a graphical user interface as in claim 83, wherein search parameters displayed in the workspace are treated as a session.

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91. (original): The method for building Boolean queries and viewing search results using a graphical user interface as in claim 90, wherein a user has ability to save, open and close the session.
92. (original): The method for building Boolean queries and viewing search results using a graphical user interface as in claim 83, wherein the search results are treated as a collection.
93. (original): The method for building Boolean queries and viewing search results using a graphical user interface as in claim 92, wherein a user has ability to save, open and close the collection.
94. (original): The method for building Boolean queries and viewing search results using a graphical user interface as in claim 83, wherein graphical representation of the combination bracket is selected from a group including a rectangular bracket, a square bracket, and a curly brace.
- 95-107. (canceled)